

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2009 Levee Inspection Results**

**Reclamation District No. 0544**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2009 Levee Inspection Results**

**Reclamation District No. 0544**

Waterway		Bank	Unit Miles
Unit No. 01 San Joaquin River		Left	6.10

  

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/1/2009 - 4/1/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

## Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000.


**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.10	04/01/2009 04/01/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1			Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.858238 ° -121.318937 °	° °		913
2			Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.858237 ° -121.318935 °	° °		914
3	0.02	0.02	Earthen Levee	Slope Stability	WS	C	Repair slope instability.	37.870137 ° -121.329740 °	37.870137 ° -121.329740 °		20
4	0.04	0.18	Earthen Levee	Encroachments	LS	C	Equipment Inspector Comments: Equipment has been placed at landside toe.	37.869809 ° -121.329753 °	37.868162 ° -121.328136 °		21
5	0.41	0.45	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Undermining; outside the bend; rodent holes; 3 trees (36" DBH) with roots exposed; cavein section	37.864820 ° -121.327200 °	° °		912
6	0.42	0.44	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.865060 ° -121.327223 °	37.864862 ° -121.326917 °		4
7	0.48	0.49	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	37.864643 ° -121.326363 °	37.864592 ° -121.326165 °		5
8	0.50	0.50	Earthen Levee	Encroachments	WS	M	Tree or limb	37.864557 ° -121.326069 °	37.864557 ° -121.326069 °		22
9	0.52	0.54	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.864498 ° -121.325692 °	37.864448 ° -121.325400 °		6
10	0.57	0.57	Earthen Levee	Slope Stability	WS	M	Repair slope instability.	37.864357 ° -121.324860 °	37.864357 ° Y -121.324860 °		7
11	0.74	0.74	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees over roadway to at least 12 feet above ground level.	37.863374 ° -121.321910 °	37.863374 ° -121.321910 °		23
12	0.84	1.08	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.862239 ° -121.320943 °	37.859981 ° -121.318974 °		24
13	1.12	1.13	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.859464 ° -121.318320 °	37.859267 ° -121.318334 °		25
14	1.60	1.71	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.854273 ° -121.321825 °	37.854696 ° -121.323707 °		27
15	1.73	1.80	Earthen Levee	Encroachments	LS	C	Fences	37.854500 ° -121.323909 °	37.853697 ° -121.324248 °		28
16	1.74	1.74	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.854368 ° -121.324036 °	37.854368 ° -121.324036 °		29

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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CO : Completely Obstructing  
N : Not Inspected  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.10	04/01/2009 04/01/2009	Richard Willoughby

  

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
17	1.84	1.84	Earthen Levee	Slope Stability	LS	C	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.853180 ° -121.324158 °	37.853180 ° -121.324158 °		30
18	1.87	1.87	Earthen Levee	Encroachments	LS	C	Prunings	37.852750 ° -121.324017 °	37.852750 ° -121.324017 °		31
19	2.29	2.35	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.847983 ° -121.324836 °	37.847183 ° -121.324626 °		33
20	2.31	2.38	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.847686 ° -121.324780 °	37.846743 ° -121.324336 °		34
21	2.45	2.45	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Material at toe	37.846150 ° -121.323583 °	37.846150 ° -121.323583 °		9
22	3.31	3.31	Earthen Levee	Encroachments	LS	M	Ramp Inspector Comments: Landowner has cut new ramp on waterside slope.	37.835951 ° -121.317062 °	37.835951 ° -121.317062 °		37
23	3.56	3.56	Earthen Levee	Encroachments	WS	M	Garbage	37.833153 ° -121.314433 °	37.833153 ° -121.314433 °	Y	10
24	4.05	4.16	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.826815 ° -121.310815 °	37.825790 ° -121.312027 °		11
25	4.50	4.69	Earthen Levee	Encroachments	WS	M	Prunings	37.823118 ° -121.316393 °	37.821958 ° -121.319592 °		12
26	4.53	4.53	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.822934 ° -121.316870 °	37.822934 ° -121.316870 °		41
27	4.70	4.70	Earthen Levee	Encroachments	LS	M	Garbage	37.821932 ° -121.319683 °	37.821932 ° -121.319683 °		13
28	4.73	4.76	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.821741 ° -121.320237 °	37.821556 ° -121.320653 °		43
29	4.83	4.83	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.820611 ° -121.321181 °	37.820611 ° -121.321181 °		44
30	4.86	4.86	Earthen Levee	Encroachments	LS	C	Tree or limb	37.820303 ° -121.321150 °	37.820303 ° -121.321150 °		14
31	4.88	4.90	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.820025 ° -121.321015 °	37.819845 ° -121.320898 °		15
32	5.05	5.05	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.818152 ° -121.319095 °	37.818152 ° -121.319095 °		17
33	5.54	5.60	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.812033 ° -121.319737 °	37.811687 ° -121.320677 °		18

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.10	04/01/2009 04/01/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
34	5.71	5.75	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.811162 ° -121.322560 °	37.811168 ° -121.323268 °		19

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**Reclamation District No. 0544**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.10	04/01/2009 04/01/2009	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Erosion around siphon pipe at LM 0.57	



Levee Mile Report Line	23
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Garbage at waterward berm at LM 3.56	

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2009 Levee Inspection Results**

**Reclamation District No. 0544**

Waterway		Bank	Unit Miles
Unit No. 02 Old River		Right	4.20

  

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/29/2009 - 4/29/2009			
DWR Inspector	Richard Willoughby			
Accompanied By	Jerry Robinson			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

## Comments

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Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.20	04/29/2009 04/29/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.21	4.15	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.808292 ° -121.331992 °	37.821778 ° -121.373893 °		40
2	0.21	4.15	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.808295 ° -121.332005 °	37.821782 ° -121.373895 °		41
3	0.39	0.39	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.809591 ° -121.334597 °	37.809591 ° -121.334597 °		23
4	0.41	0.41	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.809788 ° -121.334727 °	37.809788 ° -121.334727 °		4
5	0.64	0.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.813015 ° -121.335077 °	37.813015 ° -121.335077 °		42
6	0.74	0.74	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.814333 ° -121.334592 °	37.814333 ° -121.334592 °		5
7	1.03	1.03	Earthen Levee	Encroachments	WS	M	Garbage	37.818055 ° -121.332690 °	37.818055 ° -121.332690 °		6
8	1.15	1.21	Earthen Levee	Encroachments	LS	PO	Fences	37.819560 ° -121.333893 °	37.820083 ° -121.334812 °		25
9	1.17	1.23	Earthen Levee	Encroachments	LS	CO	Equipment	37.819846 ° -121.334214 °	37.820209 ° -121.335150 °		26
10	1.23	1.23	Earthen Levee	Encroachments	LS	M	Prunings	37.820235 ° -121.335127 °	37.820235 ° -121.335127 °		7
11	1.26	1.32	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U	Add appropriate gravel or road base. Grade and compact.	37.820363 ° -121.335603 °	37.820748 ° -121.336545 °		8
12	1.32	1.38	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.820777 ° -121.336593 °	37.821223 ° -121.337478 °		9
13	1.41	1.41	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.821423 ° -121.337878 °	37.821423 ° -121.337878 °		10
14	1.44	1.44	Earthen Levee	Slope Stability	LS	C	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.821704 ° -121.338375 °	37.821704 ° -121.338375 °		27
15	1.47	1.47	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.821954 ° -121.338715 °	37.821954 ° -121.338715 °		28
16	1.90	1.97	Earthen Levee	Encroachments	LS	C	Garbage	37.817900 ° -121.341685 °	37.818010 ° -121.342482 °		12
17	1.95	1.95	Earthen Levee	Encroachments	LS	PO	Material	37.817778 ° -121.342272 °	37.817778 ° -121.342272 °		43

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River					Right	4.20	04/29/2009 04/29/2009	Richard Willoughby

  

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
18	2.04	2.04	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.818733 ° -121.343340 °	37.818733 ° -121.343340 °		44
19	2.11	2.12	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.819337 ° -121.344275 °	37.819460 ° -121.344492 °		13
20	2.15	2.24	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.819683 ° -121.344822 °	37.820612 ° -121.345942 °		14
21	2.24	2.24	Earthen Levee	Encroachments	WS	M	Prunings	37.820660 ° -121.345997 °	37.820660 ° -121.345997 °		31
22	2.25	2.25	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.820697 ° -121.346050 °	37.820697 ° -121.346050 °		32
23	2.28	2.38	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.821096 ° -121.346418 °	37.821945 ° -121.347897 °		33
24	2.65	2.65	Earthen Levee	Encroachments	CR	M	Pipe Inspector Comments: Abandoned pipe at landside and waterside shoulder is open on both ends.	37.818867 ° -121.350393 °	37.818867 ° -121.350393 °	Y	15
25	2.74	2.74	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.817860 ° -121.351428 °	37.817860 ° -121.351428 °		16
26	2.84	2.84	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.817170 ° -121.352960 °	37.817170 ° -121.352960 °		17
27	3.29	3.29	Earthen Levee	Encroachments	WS	M	Garbage	37.819188 ° -121.359932 °	37.819188 ° -121.359932 °	Y	18
28	3.53	3.56	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Cactus on landside slope.	37.819576 ° -121.364056 °	37.819530 ° -121.364653 °		36
29	3.53	3.84	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.819533 ° -121.364058 °	37.821123 ° -121.368640 °		19
30	3.54	3.60	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.819512 ° -121.364217 °	37.819443 ° -121.365297 °		21
31	3.63	3.63	Earthen Levee	Slope Stability	LS	C	Repair the levee slope damaged by foot traffic and prevent access where possible.	37.819442 ° -121.365840 °	37.819442 ° -121.365840 °		37
32	3.74	3.77	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.819958 ° -121.367518 °	37.820267 ° -121.367812 °		45
33	3.83	3.86	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.821003 ° -121.368507 °	37.821345 ° -121.368935 °		46

**\* Location**

LS : Land Side  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2009**

**Reclamation District No. 0544**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.20	04/29/2009 04/29/2009	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	2.65
End Levee Mile	2.65
Location	Crown
Category	Earthen Levee
Item	Encroachments

Abandoned pipe at LM 2.65 landside view



Levee Mile Report Line	27
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Garbage on waterwade shoulder at LM 3.29



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